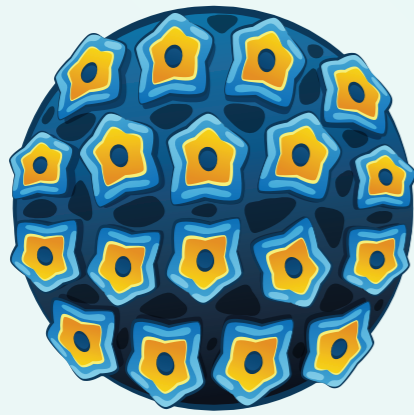
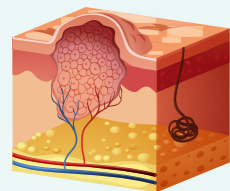


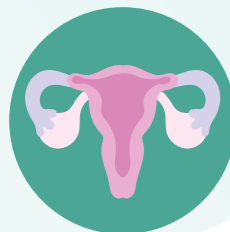
## WHAT IS HUMAN PAPILOMAVIRUS (HPV)?



- HPV is a type of **DNA virus** that is commonly transmitted via sexual activity and intimate skin-to-skin contact at the genital area.
- There are more than **200 HPV subtypes**.



Infections with **low-risk HPV subtypes** may cause warts on the skin.  
(Examples of low-risk HPV subtypes: HPV 6, HPV 11)



Infections with **high-risk HPV subtypes** can lead to different types of cancer.  
(Examples of high-risk HPV subtypes: HPV 16, HPV 18)

- High-risk HPV infection can be prevented with HPV vaccination.

**PROTECT YOURSELF AND YOUR FAMILY WITH THE HPV VACCINE!**

## WHO SHOULD RECEIVE THE HPV VACCINE?



- HPV can infect both **females and males**.
- Both females and males can receive the **HPV vaccine** to prevent diseases caused by HPV infection.
- The HPV vaccine can be given to individuals between **9-45 years**.
- Seek a doctor's advice on whether you should get vaccinated.



## IS THE HPV VACCINE SAFE AND EFFECTIVE?

Yes, the HPV vaccine is both **safe** and **effective**. More than **270 million** doses of the HPV vaccine have been distributed to individuals all over the world.<sup>1</sup>

The HPV vaccine can **prevent over 90%** of cancers caused by HPV.<sup>2</sup>

Studies have shown the positive impact of receiving the HPV vaccine. After 9 years of vaccinating, there was a decrease in the number of cases below:<sup>3</sup>



**Prevalence of HPV 16 and HPV 18 infections reduced**

Among girls aged 13-19 years



**Cases of anogenital warts reduced**

Among girls aged 15-19 years



**Cases of cervical lesions reduced**

Among girls aged 15-19 years

Source: Meites E, Gee J, Unger E, Markowitz L. Human Papillomavirus [Internet]. Centers for Disease Control and Prevention; 2021. Available from: <https://www.cdc.gov/vaccines/pubs/pinkbook/hpv.html>

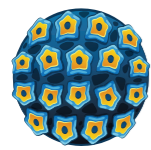
Source: National Cancer Institute. Human Papillomavirus (HPV) Vaccines [Internet]. 2021 [cited on 16 Nov 2023]. Available from: <https://www.cancer.gov/about-cancer/causes-prevention/risk/infectious-agents/hpv-vaccine-fact-sheet#what-are-hpv-vaccines>

Source: 1. WHO. Safety of HPV vaccines [Internet]. World Health Organisation; 2017. Available from: <https://www.who.int/groups/global-advisory-committee-on-vaccine-safety/topics/human-papillomavirus-vaccines/safety>  
2. CDC. CDC Cancers caused by HPV [Internet]. Centers for Disease Control and Prevention; 2022. Available from: <https://www.cdc.gov/hpv/parents/cancer.html>  
3. Drieler M, Bernard E, Perez N, Brisson M, Ali H, Bolly M, et al. Population-level impact and herd effects following the introduction of human papillomavirus vaccination programmes: updated systematic review and meta-analysis. The Lancet [Internet]. 2019 Jun;394(10197). Available from: [https://www.thelancet.com/journals/lanct/article/PIIS0140-6736\(19\)30298-3/fulltext](https://www.thelancet.com/journals/lanct/article/PIIS0140-6736(19)30298-3/fulltext)

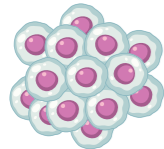
## WHY IS THE HPV VACCINE IMPORTANT?

- It protects against certain types of high-risk HPV infections.
- It helps the immune system produce antibodies that can fight HPV.

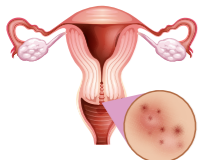
### WITHOUT VACCINE



Individual is infected with HPV



Chronic HPV infection can cause cells to develop abnormally



Low-risk HPV subtypes can lead to warts on the skin while high-risk HPV subtypes can lead to cancer

### WITH VACCINE



HPV vaccine protects an individual against HPV infection



The individual is not infected with certain HPV subtypes



Lower risk of HPV-related cancers and warts

## What has NCSM been doing to fight cancer?

### EDUCATE

Health Education | Health Literacy | Health Promotion | Health Policy and Advocacy | Research | Internship Programme | Volunteer Programme | Training Programme

### CARE

Cancer and Health Screening Clinics | Cancer Diagnostic and Imaging Centre | Nuclear Medicine Centre | Community Health and Outreach Programme | Patient Medical Access Programme

### SUPPORT

Psychosocial Support Services (Clinical Psychology, Play Therapy, Counselling, Dietetics) | Cancer Information Services | Patient Navigation Programme | Resource & Wellness Centres | Homes of Hope (Adults & Children)



National Cancer Society Malaysia
 nationalcancersocietymy
 
 ncsmalaysia

For more information, please call

# 1800 88 1000

hpv@cancer.org.my
 hpv.cancer.org.my

National Cancer Society Malaysia
   
*Giving Hope Celebrating Life*

LEAVING NO ONE BEHIND

## HPV AND HPV VACCINE

